



BALDER

THE ULTIMATE
WELDING CONCEPT
WELDING HELMET
BH3

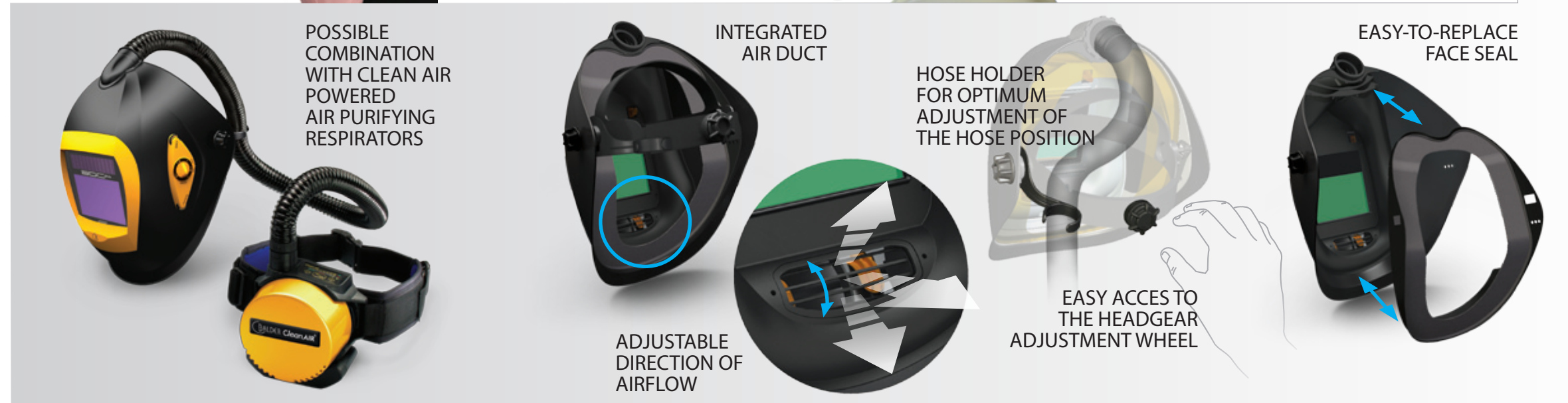
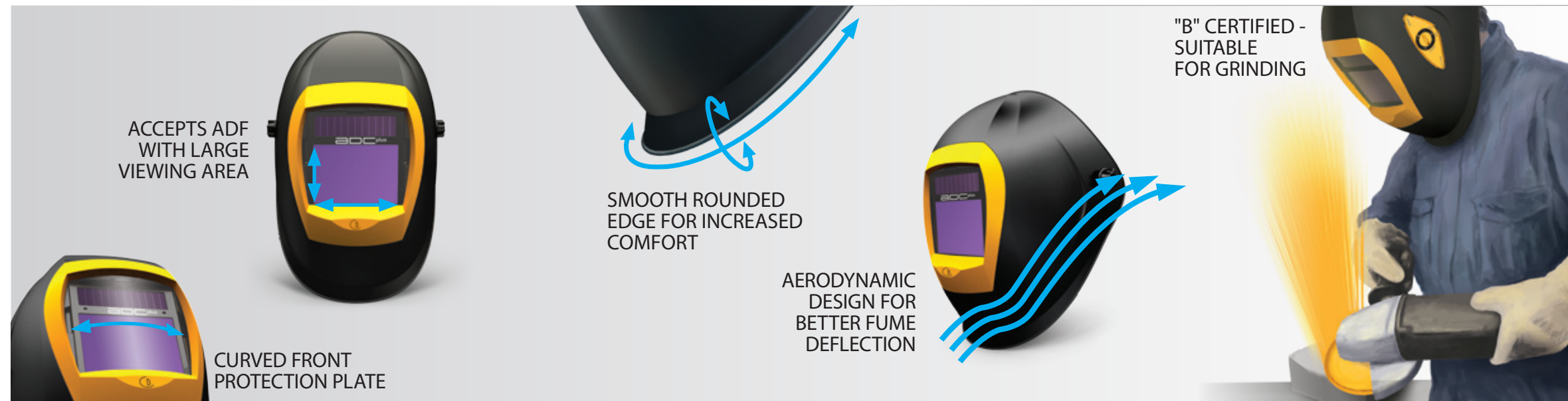


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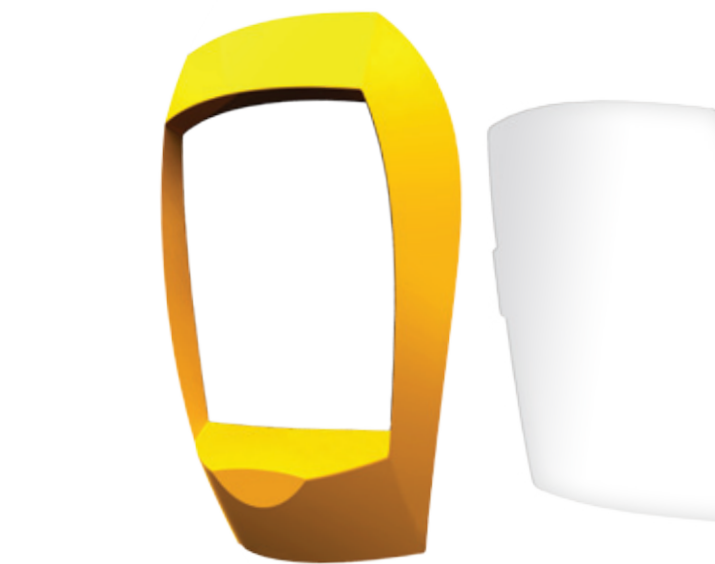
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ADVANTAGES

OF THE BALDER BH3
WELDING HELMET



MAKE YOUR OWN CONFIGURATION



GRAND AND POWER SERIES
OF AUTO-DARKENING FILTERS

Grand GDS Grand ES Grand DS Power GDS Power ES Power DS



1/1/1/1 OPTICAL CLASSES

adCplus



HARD HAT

BH3 AIR
WITH INTEGRATED
AIR DUCT



Face Seal
FLEXI

Face Seal
STANDARD

TH3*

* in combination with all listed CA power units
except with CA Basic Dual Flow and CA Pressure

EXAMPLE OF A POSSIBLE CONFIGURATION

BH3 AIR Grand DS CA FC



CleanAIR® POWERED AIR
PURIFYING RESPIRATORS

- CA BASIC Dual Flow TH1
- CA BASIC Flow Control TH3
- CA CHEMICAL 2F TH3
- CA CHEMICAL 3F TH3
- CA PRESSURE 2A



COMPATIBLE AUTO-DARKENING FILTERS



Grand GDS

- 110 × 110mm
- large viewing area
- internal shade adjustment range selection
- external shade adjustment 6-8 / 9-13
- external sensitivity adjustment
- external delay adjustment
- external grinding mode

Grand ES

- 110 × 110mm
- large viewing area
- external shade adjustment 9-13
- external sensitivity adjustment
- external delay adjustment

Grand DS

- 110 × 110mm
- large viewing area
- internal shade adjustment 9-13
- internal sensitivity adjustment
- internal delay adjustment

GRAND AUTO-DARKENING FILTERS

POWER AUTO-DARKENING FILTERS

Model	Grand GDS / Power GDS	Grand ES / Power ES	Grand DS / Power DS
Viewing area	96 x 68.5mm / 96 x 46.5mm	96 x 68.5mm / 96 x 46.5mm	96 x 68.5mm / 96 x 46.5mm
Weight	165g / 150g	160g / 145g	125g / 110g
Open state shade	4	4	4
Closed state shade	6-8 / 9-13	9-13	9-13
Shade adjustment	yes / external	yes / external	yes / internal
Sensitivity adjustment	yes / external	yes / external	yes / internal
Delay adjustment	yes / external	yes / external	yes / internal
Grinding mode	yes / external	no	no
Switching time at 23°C	0.15ms	0.15ms	0.15ms
Clearing time	0.1-1.0s	0.1-1.0s	0.1-1.0s
UV / IR protection	UV 16 / IR 16	UV 16 / IR 16	UV 16 / IR 16
Temperature range	-10°C / +60°C	-10°C / +60°C	-10°C / +60°C
TIG detection	enhanced	enhanced	enhanced
Energy supply	solar cells / no battery change		

Power GDS

- 110 × 110mm
- standard viewing area
- internal shade adjustment range selection
- external shade adjustment 6-8 / 9-13
- external sensitivity adjustment
- external delay adjustment
- external grinding mode

Power ES

- 110 × 110mm
- standard viewing area
- external shade adjustment 9-13
- external sensitivity adjustment
- external delay adjustment

Power DS

- 110 × 110mm
- standard viewing area
- internal shade adjustment 9-13
- internal sensitivity adjustment
- internal delay adjustment

IMPROVED VISIBILITY IN OPEN STATE

IMPROVED COLOR RECOGNITION

WORLD'S FIRST ADFs RATED 1/1/1/1

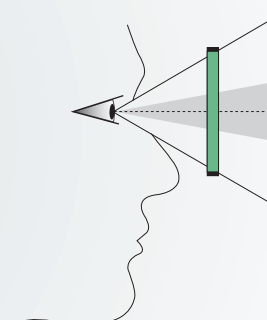
WORLD'S FIRST ADFs RATED
WITH CLASS 1 FOR ANGULAR
DEPENDENCE FEATURE

NEW TECHNOLOGY

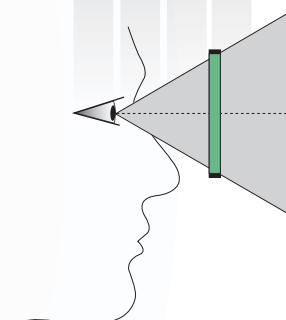
OLD TECHNOLOGY



STANDARD
ANGULAR DEPENDENCE
Selected shade $\pm 10^\circ$



IMPROVED
ANGULAR DEPENDENCE
Selected shade $\pm 30^\circ$



adocplus
ANGULAR DEPENDENCE COMPENSATION

BH3 AIR & CLEAN AIR POWERED AIR PURIFYING RESPIRATORS



BH3 AIR CA BASIC Dual Flow

- initial flow rate *140-160l/min - Eco
- final flow rate *180-200l/min - TURBO
- noise level max. 61dB
- filter efficiency 99.998%
- filter type PSL
- weight (CA unit incl. filter and battery) 900g
- operating time **6-10h
- battery type Nimh 4.8V/4.5Ah
- CE - EN 12 941/A2 - TH1



BH3 AIR CA BASIC Flow Control

- flow rate 140-210l/min (8 optional levels)
- noise level max. 61dB
- filter efficiency 99.998%
- filter type PSL
- weight (CA unit incl. filter and battery) 900g
- operating time **6-10h
- battery type Nimh 4.8V/4.5Ah
- CE - EN 12 941/A2 - TH3



BH3 AIR CA CHEMICAL 2F

- initial flow rate *120-160l/min - Eco
- final flow rate *160-235l/min - TURBO
- noise level max. 61dB
- filter efficiency 99.998%
- filter type A2, B2, E2, K2, P3
- weight (CA unit incl. filter and battery) 960g
- operating time **8-10h
- battery type Li-Ion 14.4V/2.6Ah
- CE - EN 12 941/A2 - TH3



BH3 AIR CA CHEMICAL 3F

- initial flow rate *120-160l/min - Eco
- final flow rate *160-235l/min - TURBO
- noise level max. 61dB
- filter efficiency 99.998%
- filter type A2, B2, E2, K2, P3
- weight (CA unit incl. filter and battery) 1420g
- operating time **8-10h
- battery type Li-Ion 14.4V/2.6Ah
- CE - EN 12 941/A2 - TH3



BH3 AIR CA PRESSURE

- air flow - adjustable 170-400l/min
- noise level max. 61dB
- filter efficiency 99.998%
- filter type - combined filter
- weight 200g
- CE - EN 14 594 - 2A



* with fully charged battery and clean filters
** parameters depend on the selected operating mode
Warranty: 1 year
Leaflet with more detailed information available on request.



Optoelectronic elements and
measuring systems, Ltd.

Teslova ulica 30
SI-1000 Ljubljana, Slovenia
tel +386 1 477 67 13
+386 1 426 45 79
fax +386 1 426 45 82
web www.balder.eu



ALL PRODUCTS



BH3 WELDING HELMET, GRAND and POWER
AUTO-DARKENING FILTERS

ANSI-Z87.1

BH3 WELDING HELMET, GRAND and POWER
AUTO-DARKENING FILTERS

Authorized dealer:

May 2011